Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/17/2021 12:40 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124781	-1	1.69	124655	1.65
Blue	F	SSC	125000	124484	-1	2.44	124938	2.29
Blue	E	FITC	14284	13790	-4	2.55	386	14.17
Blue	D	PE	23919	23405	-3	2.12	555	11.00
Blue	B	PerCP-Cy5-5	31332	30601	-3	3.24	875	15.40
Blue	A	PE-Cy7	22272	21999	-2	5.03	459	30.75
Red	C	APC	47768	47258	-2	2.66	1621	11.84
Red	A	APC-Cy7	25313	24528	-4	2.95	696	12.22
Violet	B	V450	7085	6858	-4	3.53	478	11.57
Violet	A	V500	26969	25784	-5	3.03	883	8.41

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23765	3.65	586	-3	N/A	N/A	Pass
Blue	F	SSC	55641	2.22	522	1	N/A	N/A	Pass
Blue	E	FITC	58	54.24	494	-7	0.0369	7	Pass
Blue	D	PE	108	40.97	491	-6	0.3726	314	Pass
Blue	B	PerCP-Cy5-5	137	42.80	580	-8	0.0185	69	Pass
Blue	A	PE-Cy7	76	79.62	626	-9	0.0219	0	Pass
Red	C	APC	338	26.76	580	0	0.0262	171	Pass
Red	A	APC-Cy7	129	36.37	552	-3	0.0067	1952	Pass
Violet	B	V450	82	45.94	449	-14	0.0510	1952	Pass
Violet	A	V500	104	31.30	459	-15	0.0243	843	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.97 - 71.95	N/A	N/A	-32.33	-31.88	1.17
Blue	20.36	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	15.01	13.60 - 20.40	N/A	N/A	29.94	30.40	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 12009

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments